

PUBLIC WORKS BUSINESS CENTER FORT BRAGG, NORTH CAROLINA

FORT BRAGG LESSONS LEARNED

LESSON LEARNED—START WITH AND NURTURE A GOOD TEAM

REAL PROPERTY PLANNING TEAM

Talented Team With A Great Mix Of Skills:

- Master Planning
- Construction Programming
- Space Management
- Demolition Planning
- •Real Property Accounting/ Requirements Accounting (RPLANS)
- Real Estate

- •Ron Allen
- •Zita Barrett
- Camille Cole
- Donnie Douglas
- •Kathryn Haught
- Dewana Kennedy
- Lance Locklear
- Jennifer Weaver
- CPT Mitchell
- Paul Strickland

One Of The First Places In Army To Combine Master Planning and Real Property Into A Single Team (Has Worked Great For 15+ Years)

REAL PROPERTY PLANNING TEAM

Savannah District, Installation Support Manager, And Area Office

Can't Do Anything Without Support Of Whole PWBC Team:

- •Utility Experts/
- **Maintenance**
- Environmental
- Business Office
- Housing

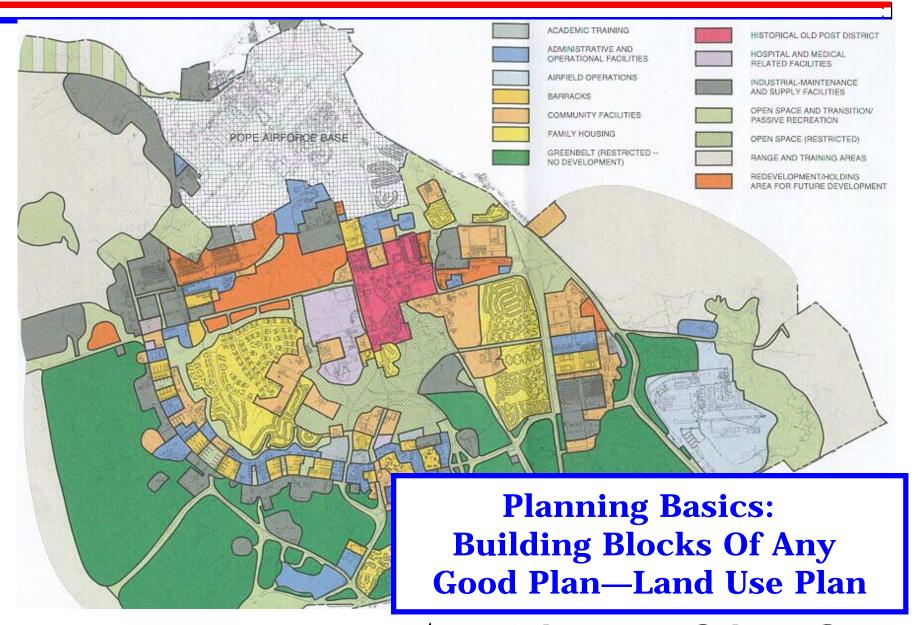
Command Group Support

FORSCOM

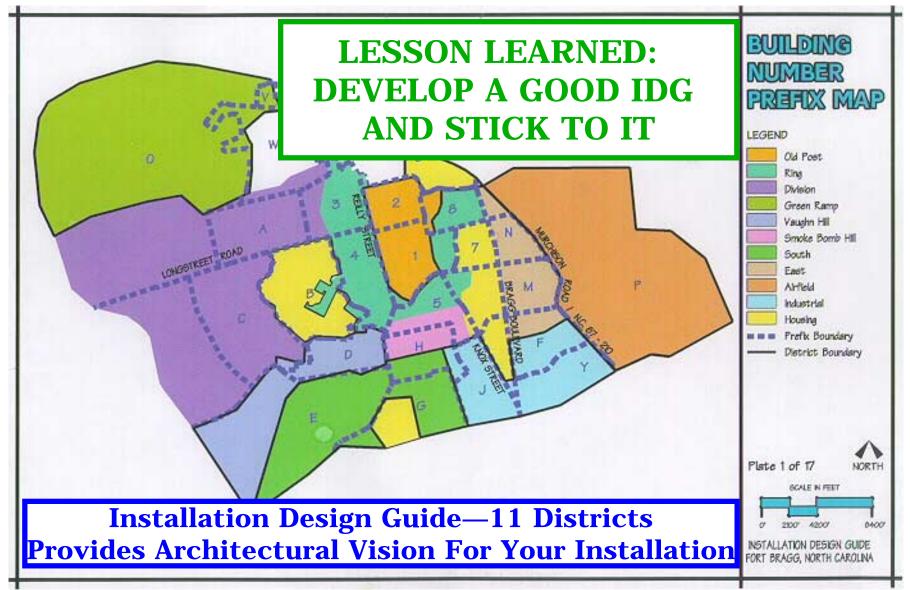
ACSIM

THE TEAM IS MORE THAN JUST THE INSTALLATION. .
ALL THESE PLAYERS HAVE TO BUY INTO THE VISION.





SAVIII AVIRIORNID CORPS



EXAMINE CORPS



IDG On Web—Easy To Update

ZAMINE CORPS





Youth Activities Center: \$7 Million--63,000 SF (May 99)

Sports Bar: \$4.7 Million 24,000 SF (Sep 99)

Two Very Different Facilities—Both Adhere To IDG Standards For The Ring District. The Ring District Encircles The Old Main Post Historic District.

234111 ATRIBORINI DORTES



Symmetry



Axes

Planning--Historic Beaux-Arts Principles Used On Old Main Post On Fort Bragg. Washington, D.C. Mall Uses Similar Planning Principles.



WASHINGTON, D.C. MALL

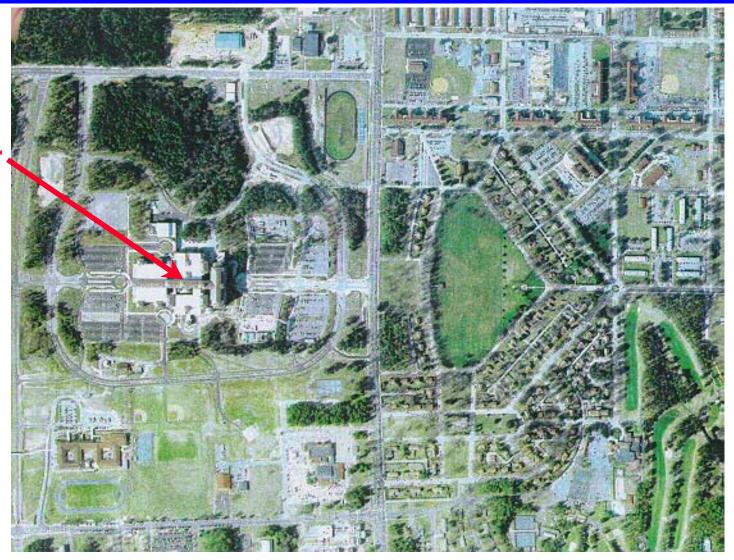
ZAVIII AVIRIBORINIB CORPS



FORT BRAGG'S MAIN POST CHAPEL LOCATED ON THE CROSS-AXIS

ZAMIII ANIRIEORINIE CORRES

NEW
MEDICAL
CENTER



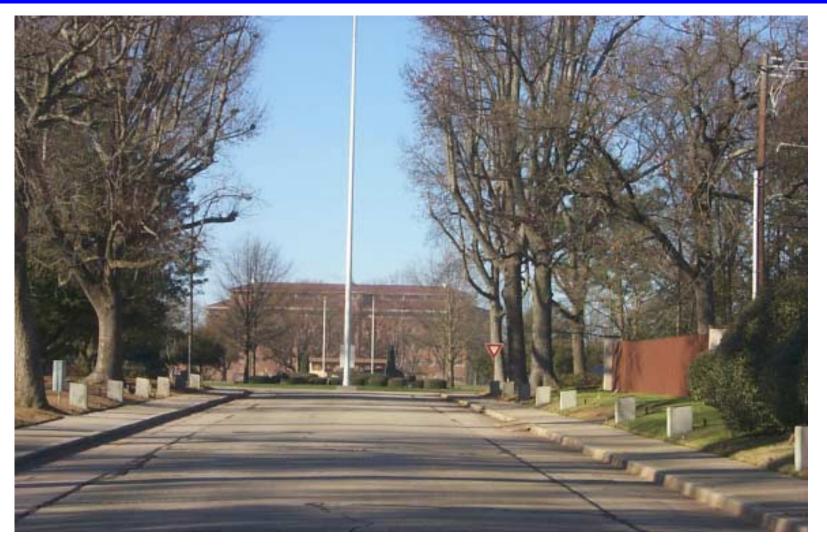
USING HISTORIC PRINCIPLES IN PRESENT DAY PLANNING

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NEW MEDICAL CENTER ON BRAGG IS ON PERFECT ALIGNMENT WITH STATUE OF IRON MIKE, MAIN POST FLAGPOLE AND MAIN POST PARADE FIELD.

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NOTE HOW MAIN POST FLAGPOLE AND RANDOLPH STREET (FOREGROUND) LINE UP PERFECTLY WITH THE TOWER OF THE NEW MEDICAL CENTER (BACKGROUND)

ZXVIII AVIRIORANIO CORTES

Adapting Historic Planning Ideas For Our New Barracks Complexes:



1920s-1930s Layout Of Old Main Post



Faith Barracks Complex--\$72 Million. Complete Jan 98.



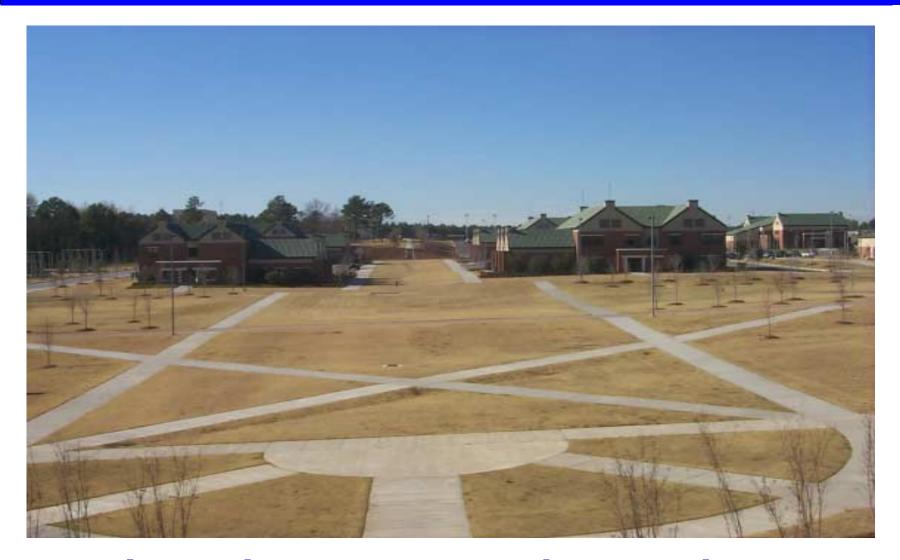
Faith Barracks—View Across Green Space To Barracks

ZXVIII AVIRIORANIO CORTES



Faith Barracks--View Approaching Barracks Courtyard

ZAMIII AVIRIEORINIE CORRES



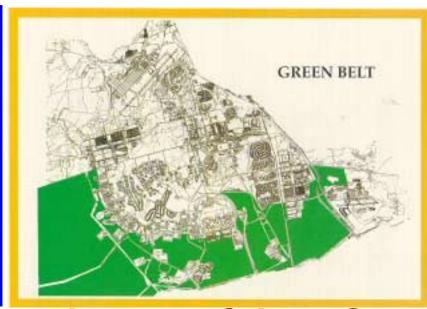
Faith Barracks--View From Barracks To Battalion HQs

ZAMIII AVIRIEORINIE CORRES

LESSON LEARNED: TO RESPOND QUICKLY AND BE COMPETITIVE FOR MONEY, INSTALLATIONS MUST HAVE STAFF/CAPABILITY TO DO MASTER PLANNING IN HOUSE

EXAMPLES:

- •FORSCOM And ACSIM Requested Plan For Buying Out Our 13,853 Barracks Spaces. There Was No Time Or Money For Hiring Planning Firm.
- Doing Plan Now For Maint Shops
- •The Green Belt Plan



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STRATEGY 1:

OMA Upgrades Of LBC&W Barracks (Complete), Grant And Baker Halls (Under Construction), And "2+2" Barracks (FY 2006).

ER HALL--EXISTING



Construction Started 29 Aug 00



Construction Complete Nov 00



SAMINE ANTROCKING CORRES



Renovation of 1970's Vintage Barracks. Total Cost—Over \$40 Million



Location Of LBC&W Barracks—19
Barracks Buildings (2,888 Spaces)



1/4 # 1 - 1/4 # 1/

STRATEGY 2:

MCA RENOVATIONS
OF ROLLING PIN
TYPE BARRACKS



LOCATION OF ROLLING PIN BARRACKS IN THE CORPS ARTILLERY AREA OF FORT BRAGG

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Rebuilding 1960's Vintage Barracks



LESSON
LEARNED:
STEAL
GOOD
IDEAS BUT
MAKE
THEM
YOUR OWN



Construction Complete Cost--\$9.4 Million (FY 98 MCA)



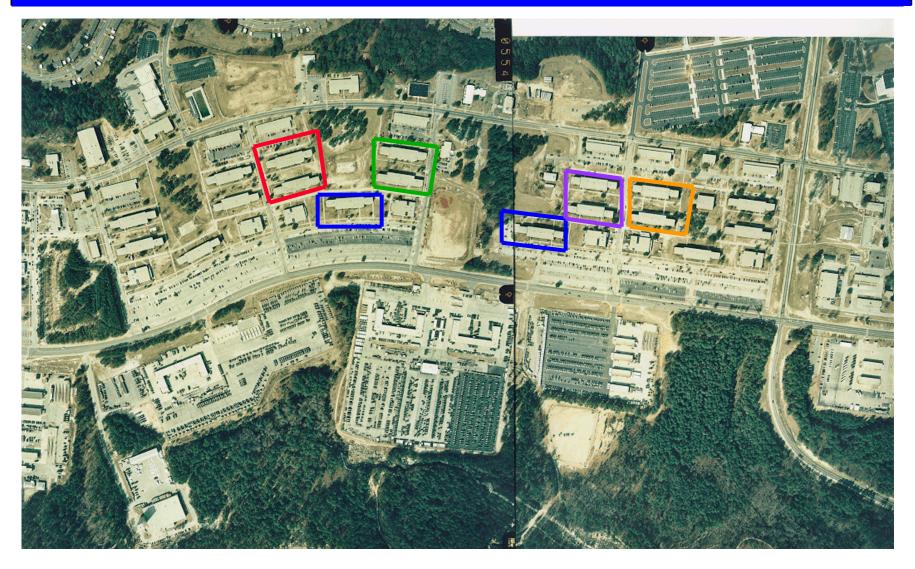
Two More In FY 99 Cost-\$10.8 Million Move In Feb 2002





Soldier Community Building Congress Approved \$14.4 MILLION For Construction In FY 2000. Begins May 2001.

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FY 98 — FY 99 — FY 00 — FY 04(02) — FY 05(03) —

STRATEGY 3

MCA Construction Of New Brigade Barracks Complexes







1ST BRIGADE BARRACKS--TOTAL COST \$118.6 MILLION PROVIDES
1 BRIGADE HQ, 3 BATTALION HQS, 16 COMPANY HQS, AND 960
BARRACKS SPACES--UNDER CONSTRUCTION. COMPLETE SEP 2003

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82d SepBns

(Start FY 2001)

82d DISCOM

(Complete Jan 98)

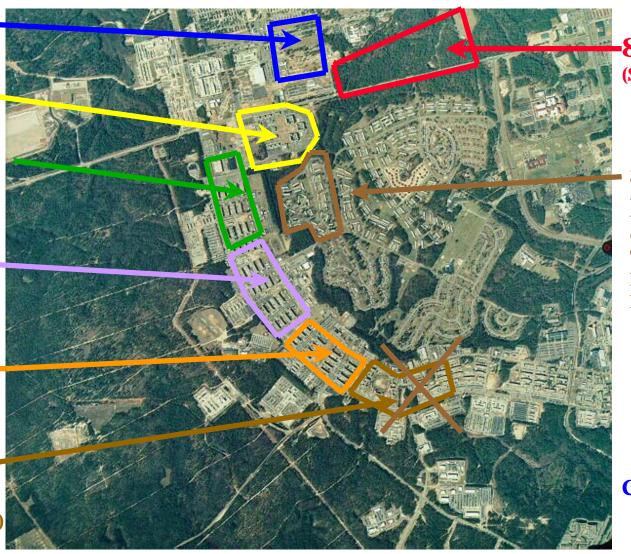
1st Bde

(Start FY 1999)

2d Bde (Start FY 2004)

3d Bde (Start FY 2006)

DIVARTY
(Start FY 2010)



82D CAB (Start FY 2001)

82d DIVARTY

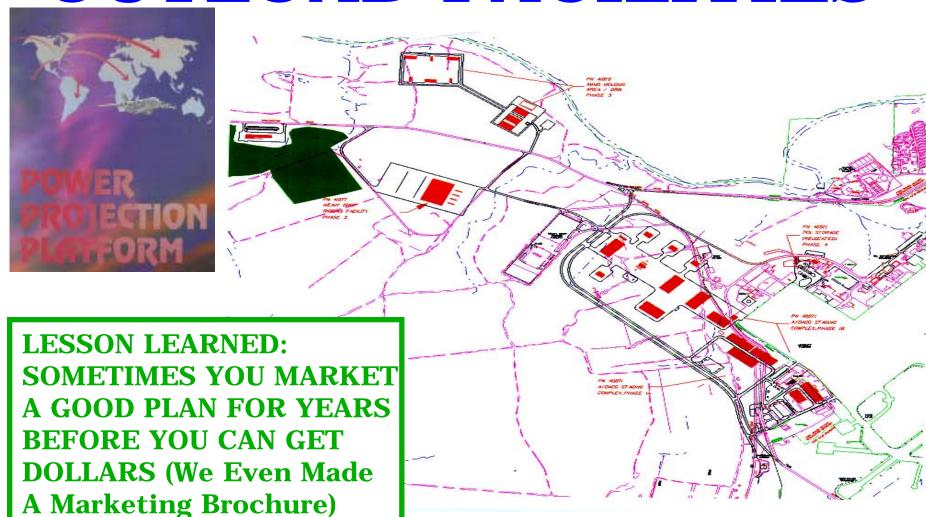
(Alternate Site To Allow Start Of DIVARTY In FY 2005)

REQUIRE-MENT=7 BRIGADE COMPLEXES

82d AIRBORNE DIVISION BARRACKS MASTER PLAN

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OUTLOAD FACILITIES



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OUTLOADING ENHANCEMENT PLAN

- 1a. A/DACG STAGING COMPLEX \$13 M 1996 COMPLETE
- 1b. A/DACG STAGING COMPLEX \$23.3M 1999 UNDER CONST
- 2. HVY DROP RIGGING FAC \$30 M 2000 UNDER CONST
- 3. AMMUNITION HOLDING \$12.6 M 2001 FUNDED AREA
- 4. DANGEROUS CARGO PADS \$24.6M 2001 UNDER CONST (AIR FORCE FUNDED PROJECT)
- 5. POL STORAGE COMPLE \$16.5M 2003

TOTAL \$95.4 MILLION

TOTAL WITH AIR FORCE \$120 MILLION





A/DACG, Phase 1A—View Of 1000-Soldier Troop Shelter Completed In March 99

ZAMIII AVIRIEORINIE CORRES



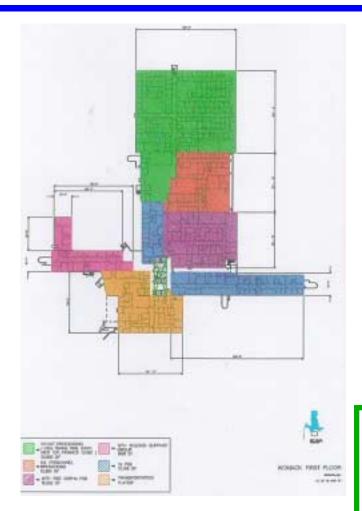
A/DACG STAGING COMPLEX,
PHASE 1B
COST--\$23.3 MILLION
COMPLETE--AUGUST 2002



HEAVY DROP RIGGING FACILITY 10 LANES. COST--\$30 MILLION COMPLETE--APRIL 2002



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Reuse of Old Womack

LESSON LEARNED: SPACE
PLANNING HAS GOT TO BE
AN INTEGRAL PART OF THE
PLANNING PROCESS

SPACE MANAGEMENT

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OLD WOMACK--STATUS OF FUNDING

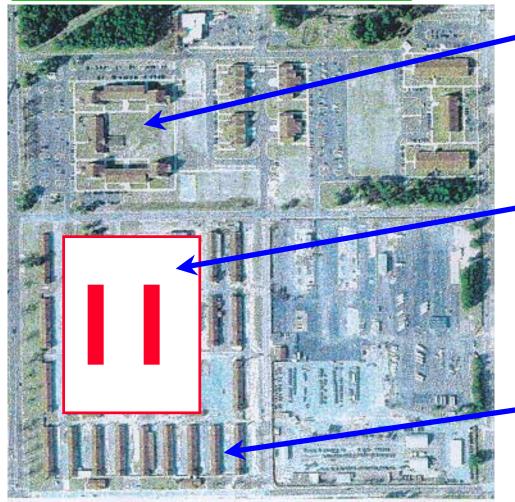
- •COST--ABOUT \$23 MILLION
- •FY 99 FUNDING:
 - **-\$567K--Replace Electrical Switchgear in Basement**
 - **-\$812K--Repair Air Handlers, Duct Work, and Abate Asbestos**
- •FY 00 FUNDING:
 - -\$544K--Clinic Infrastructure Repairs (About 80,000 SF)
 - **-\$490K--Upgrade Communications in the Clinic Portion**
 - **-\$153K--Repair Old Womack Roof**
 - **-\$2,864K--Renovate Womack Basement**
 - **-\$268K--Upgrade Commo in Basement**
 - **-\$29K--Fire Rate Duct Walls in Womack**
 - **-\$1,573K--Renovate 1st Floor**
 - **-\$268K--Upgrade Commo on 1st Floor**
- •TOTAL FUNDING TO DATE--\$7,568K
- •CLINIC PORTION:
 - -Complete--December 2000
 - -Will House Soldier In/Out Processing



Most Of Funding To Date For Old Womack Has Been Facilities Reduction Program Dollars—Will Demo 86 WWII Buildings

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Lesson Learned: Look At Adaptive Reuse





► Future 525th MI Maint Shop



1935 Mule Barn Converted To Community Building

ZAVIII AVIRIDORINID CORRES

ISSUE:

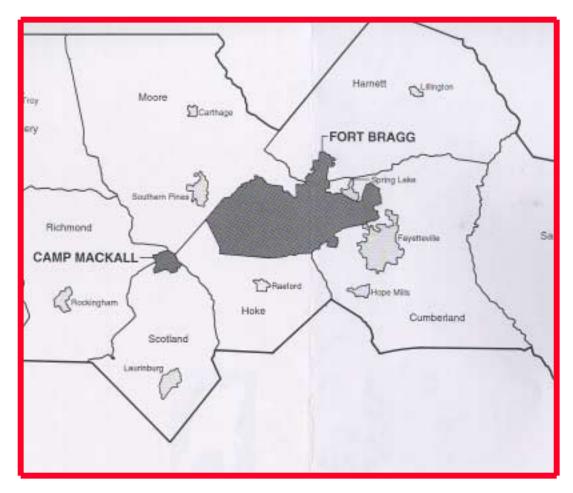
Urban
Encroachment
At Ste. Mere
Elgise Drop Zone.
Lost Ability To
Drop Heavy
Equipment at
This Drop Zone
Due to Adjacent
Off-Post Housing.



LESSON LEARNED: PLANNING IS MORE THAN JUST WHAT'S INSIDE THE FENCE. PLANNING IS WORKING WITH LOCAL PLANNERS OFF POST—DEALING WITH URBAN ENCROACHMENT ISSUES.

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FORT BRAGG JLUS--BACKGROUND



PURPOSE: To Accommodate the Growth and Development of the Region without Compromising the Military Missions of Fort Bragg and Pope Air Force Base.

Began Study in 1988

First Army Installation to do JLUS

First Joint Army/Air Force Study

Scope--Involved 9 Counties and 22 Local Governments

Cost--\$275K: \$200K--DOD \$50K--North Carolina \$25K--Local Gov'ts

ZAVIII AVIRIBORINIA CORPS

JLUS Studies

- •Blue Report (1990): Assessed Military's Positive and Negative Impacts on the Region. Looked at Population, Fiscal, Housing, Economic and Land Use Concerns.
- -\$30.3 Million Annually in Net Fiscal Benefits to Local Gov'ts.
- -\$1.6 Billion Annually in Regional Economic Impact.
- -23,700 Jobs Generated in Addition to Military and Civilian Jobs On Post.
- •Green Report (1991): Recommendations to Local Gov'ts and to Bragg/Pope:
- -Concerning Noise Issues (Artillery and Aircraft)
- -Concerning Accident Potential
- -Concerning Height Obstructions



- •<u>Impacts Report (1992):</u> Studied Impacts of Implementing Compatible Land Use Planning in the Bragg/Pope Region:
- -Substantial Amounts of Developable Land Available Outside of Noise/Accident Restricted Areas.
- -Local Gov'ts have Ability to Direct Intensive Development away from Areas Affected by Military Operations.
- -Bragg/Pope do not have Flexibility to Move Operations from Existing Training Areas Without Big Costs.

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Cumberland County Created 1/2 Mile Special Planning Zone Around Bragg. We Review All Zoning Changes/Subdivision Proposals in This Zone.

What Have We Done Since Studies Were Complete?

- •Established Regional Land Use Advisory Commission.
- -Initial Meeting--16 Jan 92.
- -Met Every 2 Months Until Sep 98--Deactivated.
- -Met Again on 14 Jun 00--Voted to Reactivate Group
- •Worked With Surrounding Counties on Land Use Planning
- -Cumberland County--2010 Plan Includes All Noise and Accident Recommendations Targeted for Cumberland County in JLUS Report.
- -Hoke County--Hoke Land Use Plan Encourages Lower Residential Densities in Sensitive Blast Noise Zones North of US 401.

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Protect Assets

- •Simmons is Home to 203 Aircraft Valued at more than \$1.4 Billion.
- •Aircraft includes 82 UH-60 Blackhawk Helicopters, 48 AH-64 Apache Attack Helicopters, and 17 CH-47 Chinook Helicopters.
- •Invested More than \$60 Million Building 5 New Hangars and Expanding Ramp Space in Late 1980s and Early 1990s.

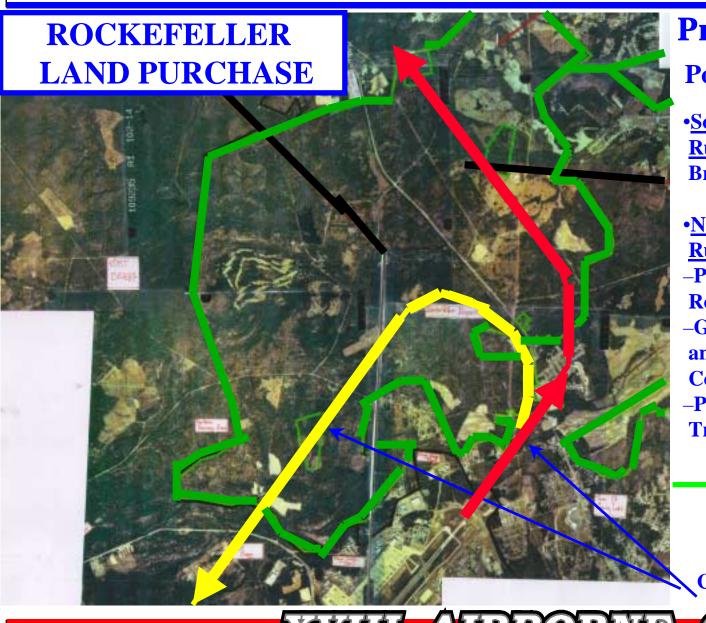
Accident Potential Zone 2--Developer Had Proposed 87 Units in Zone 2 X 2.6 People = 227 People At Risk

Accident Potential Zone 1

Clear Zone

Simmons Army Airfield Runway

ZAVIII AVIRIORANIS CORPS



Protect Assets

Pope Air Force Base:

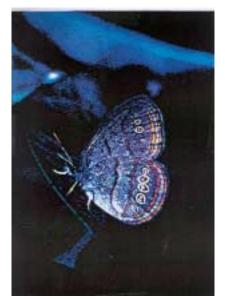
- •Southwestern end of Runway all falls on Bragg (Protected)
- •Northeastern end of Runway:
- -Purchased 10,580-acre Rockefeller Property.
- -Gained some of APZ2 and some Noise Contours
- -Protects Key Flight Tracks

Boundary Of
Acquired
Rockefeller Property

Closed Flight Tracks

SAMINE LATER OF CORPS

Encroachment Is More Than Just Noise and Accident Potential Issues:



Saint Francis' Satyr

Endangered Species



Red-cockaded Woodpecker



Michaux's Sumac







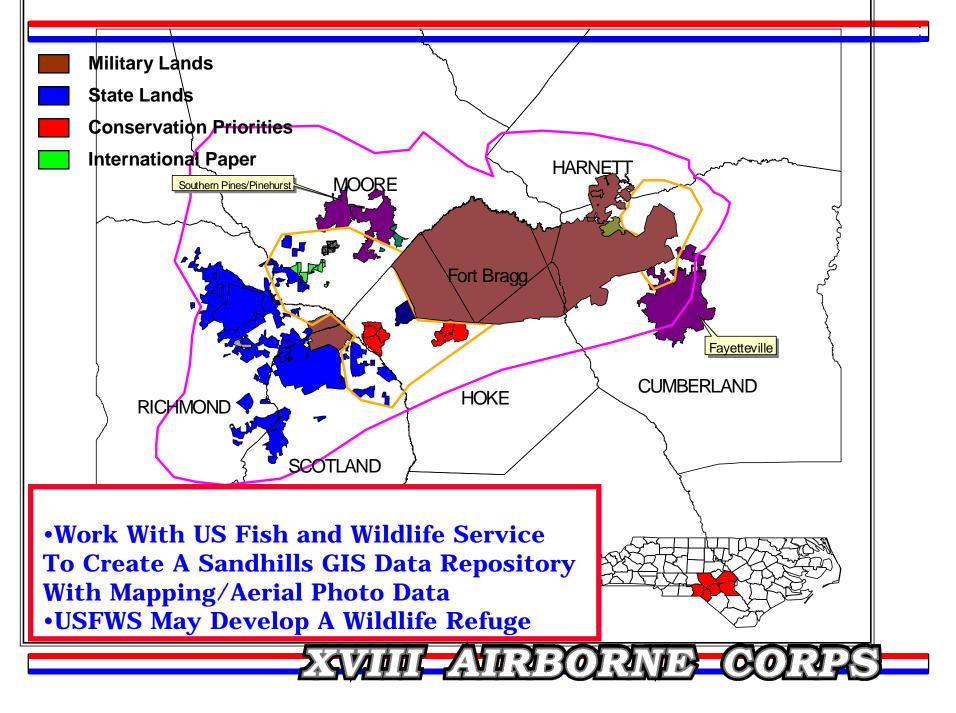
ENCROACHMENT...

- •Encroachment Impacts Our Land Management Flexibility (Adjacent Homeowners Vocally Complain about Controlled Burning)
- •Encroachment Impacts Our Ability to Recover Endangered Species (As Off Post Habitat is Destroyed--Entire Recovery Burden Falls on Installations)









LESSON LEARNED:
USE OTHER
PEOPLE'S MONEY
TO BUY WHAT
YOU NEED

Fort Bragg

Clark Property:
Purchased By The
Nature Conservancy
For \$5.276 Million.
(1,172.5 Acres)
4 Colonies of RCWs



XXXIII JAVIRISORINIS CORPS



LESSON LEARNED: FOCUS ON SOLUTIONS—NOT PROBLEMS.

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